



Scope of aviation

4.1 billion

Passengers carried, 2017 (2018 forecast: 4.4 bn)

41.9 million

Scheduled commercial flights, 2017

7.75 trillion

Passenger kilometres, 2017

1,303

Commercial airlines

170

Air navigation service providers

3,759

Airports with scheduled commercial flights (41,820 airfields in total, worldwide)

31,717

Commercial aircraft in service (82.5% of which are jet aircraft)

45,091

Routes served globally, 2017 (of these, 20,032 unique city pairs are served)

Lifelines

Air transport provides vital links to communities in remote parts of the world, including small island states.

Emergency

When disaster strikes, aviation can rapidly move relief supplies to disaster zones. Airports become staging posts for rescue operations.

258 million

People worldwide that live outside the country of their birth – aviation provides connections.

57%

International tourists travelling by air, 2017

Every day

- » 12 million passengers
- » 120,000 flights
- » \$18.8 billion worth of goods carried

Every 60 seconds

- » A single jet aircraft flies 15 kms
- » The fan blade in a typical jet engine will rotate 4,000 times
- » \$13 million worth of world trade carried
- » 8,291 passengers board aircraft around the world
- » 69,000 data messages are sent over the specialist SITA network
- » \$5.1 million worth of economic activity supported by aviation
- » 9,452 bags are accepted into the global luggage handling system
- » 84 flights take off worldwide

81%

Average load factor on aircraft, 2017

www.aviationbenefits.org

Supporting SDGs

Safe, reliable, efficient and cost-effective air transport is an essential component of a broader mobility strategy to help achieve the United Nations 2030 Agenda for Sustainable Development.

The global aviation sector has a role to play in 15 of the 17 Sustainable Development Goals, some in small ways and others with much more significant influence.

See the ways we contribute to the SDGs at: www.aviationbenefits.org/SDGs



Social development



Economic benefits

65.5 million

Jobs supported by aviation worldwide

- » 10.2 million direct jobs in the industry:
 - 525,000 at airport operators
 - 5.6 million in other on-airport jobs
 - 2.7 million at airlines
 - 1.2 million in civil aerospace
 - 233,000 at air navigation service providers
- » 10.8 million jobs supported through the aviation industry supply chain
- » 7.8 million jobs through induced benefits of industry and employee spending
- » 36.7 million jobs supported in the tourism industry

\$2.7 trillion

Global contribution to GDP, 2017 (3.6% of world economic activity)

4.4x

Aviation jobs are, on average, 4.4 times more productive than other jobs

34.6%

Worldwide trade by value carried by air transport, 2017 (\$6.0 trillion). By volume: 0.5%

20th

If aviation were a country, it would rank 20th in size by GDP

Regional statistics

Region	Jobs supported	% of jobs in region	GDP supported	% of GDP in region	Passengers (2017)	% of global passengers	Annual growth 2016-2036	Flights (2017)
AFRICA	6.2 m	1.8%	\$55.8 bn	2.6%	98 m	2%	4.9%	1,130,000
ASIA-PACIFIC	30.2 m	1.6%	\$684 bn	2.7%	1.5 bn	37%	5.5%	11,817,000
EUROPE	12.2 m	3.3%	\$823 bn	4.1%	1 bn	26%	3.4%	8,544,000
LATIN AMERICA AND THE CARIBBEAN	7.2 m	2.8%	\$156 bn	3.3%	316 m	8%	4.2%	3,134,000
MIDDLE EAST	2.4 m	3.3%	\$130 bn	4.4%	172 m	4%	5.8%	1,198,000
NORTH AMERICA	7.3 m*	4.3%*	\$844 bn*	4.2%*	939 m	23%	2.7%	10,179,000
WORLD	65.5 m		\$2.7 trn		4.1 bn		4.3%	41.9 million

*In the USA, the FAA also collects employment and economic impact data, but includes domestic tourism and general aviation in its figures (not included in this conservative analysis). With these wider catalytic impacts, civil aviation jobs in the USA alone amount to 10.6 million, with \$910 billion contribution to GDP.



Environmental responsibility

Targets

World-first targets for CO₂ reductions for a global sector, set by the industry in 2008:

1. Improve 1.5% per annum average fleet fuel efficiency between 2009 and 2020 (currently at 2.1% rolling average improvement)
2. Stabilise net CO₂ emissions from 2020 through carbon-neutral growth (will be made possible through the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) at ICAO)
3. Reduce net CO₂ emission from aviation to half of 2005 levels, by 2050 (through new technologies and sustainable aviation fuels)

859 million

Tonnes of CO₂ emitted by airlines in 2017, 2% of the global man-made total of 40 gigatonnes

80%

of aviation CO₂ emissions are from flights over 1,500 km in length

Halved

CO₂ emissions per passenger kilometre since 1990 through technology and operations

1 million

Flights on sustainable aviation fuel (SAF) by 2020: see www.enviro.aero/SAF for updates

\$149 billion

Spent by airlines on fuel, 2017

10 billion tonnes

CO₂ avoided since 1990 via new technology, better operations, improved infrastructure

CORSIA

The world's first global offsetting scheme for any single sector: www.enviro.aero/CORSIA

\$15 billion

Spent each year by aerospace companies on research for aircraft technology efficiency